

**(57) Abstract**

This publication discloses a reactor cell useful for the treatment of gases, and the manufacturing method thereof. The corrugated sheet (2, 3, 6) of the metal reactor cell (1, 11, 41) is connected with joints (5) to another sheet (2, 3, 4, 6) to form channels (9) in the reactor cell, the number of said joints (5) at least in some part of the reactor cell (1) being 10 to 1000 per  $\text{cm}^3$ . The reactor cell (51, 52) may be inserted into a housing (57) having conical sections. They can be joined to each other or to housing or to the part of the housing by joints made by resistance welding.

Figure 1